

Project Name	Description	Impact	Area Affected	Cost
Riparian Buffer Planting	Convert impervious surfaces adjacent to and within stream channels. Improve existing vegetated riparian areas.	It will help manage stormwater for quality and quantity	Historic Ellicott City and Tiber/Hudson watershed	\$
Retrofit	Provide SM where there isn't. Retrofit ponds to 100-year.	Offer green neighborhood points to developers and they will do the retrofits		\$-\$\$\$\$
Flood management	Identify 3-5 key strategic sub-watersheds within the total drainage area, ideally public spaces. Install 100-year or larger SWM regional facilities at each sub-watershed. Stagger peaks to control time, quantity and velocity. Retrofit of existing facilities will not be as efficient.	Reduce flooding, damages, insurance costs, and protect existing structures.	Historic Ellicott City and upper reach of the watershed	\$\$\$\$
Stormwater Management	Construction of a jetty to alleviate tailwater condition at outfall to Patapsco River. The Tiber would be given the benefit of a less restricted outfall and reduced water surface elevation risk	This would be an effective solution to already worrisome drainage concerns. Possible ramifications: COE, MDE approval	Historic Ellicott City	\$\$
Stream rehabilitation	Implement in stream measures such as timber check dams or other structures along with rechanneling or restoration to slow velocity and increase channel storage.	This would be a means of natural and restorative measures to help mitigate and manage flooding, which will help sustain over time	Historic Ellicott City	\$
Consistent approach to sewer leaks	Creating a consistent response to, and communication of, sewer leaks into the Patapsco and its tributaries	Ensuring a clean river, protecting Patapsco Valley State Park- one of Maryland's most frequented parks, protecting the health and well-being of river users- including thousands of non-english speaking visitors who visit the river each weekend in season. Ensuring the continued enviro-	Historic Ellicott City	

Patapsco River Overlook	Take Parking lot B and create a storm water management feature that can function as a park. The river has played such a strong role in the town's history, and parking lot B could become a great overlook park that could be used for picnics, small concerts and events, to observe nature	Improvement to local storm water management and infrastructure, while becoming a positive amenity and landmark for residents and visitors	Historic Ellicott City	
Floodplain Improvement	Expand natural floodplain areas to receive larger storm events. Create/recreate floodplain areas that are not currently present.	Reduce flooding along Main Street by increasing stream capacities which reduces damage to EC. Improve water quality by utilizing natural meadows for	Historic Ellicott City and upper drainage areas	\$\$
Sustainable Ellicott City	Figuring out how to balance development with natural systems. A whole watershed approach is needed: big mechanical solutions as well as small things everyone can participate in.	While preserving the local historic character and economy, it could serve as a model for balancing development and environmental concerns.	Historic Ellicott City and whole watershed	\$\$\$\$
Long Term Vision for Historic EC	Selectively remove structures from the floodplain and create a linear park that enhances the remaining structures and uses along the Tiber River.	Avoid serial rebuilding efforts over the coming decades (and longer). Enhance visitors' experience of historic EC.	Historic Ellicott City	\$\$\$\$
Regional facilities and stream clean-up	Utilize county and state land along streams to provide storm management for larger storms, either in-stream or off-line. Stream channel clean-up to remove large downed trees and trash that block existing culverts.	Manage large storm events and release water at a manageable rate to decrease downstream flows.	Historic Ellicott City	\$\$\$\$
Greenspace Sidewalks	No more parking on one side of Main St.. Extend sidewalk into the road and add a strip of grass or trees or other water absorbing vegetation.	It used to look like this, so this is historical. It will be pretty and make walking nicer.	Historic Ellicott City	\$\$\$
Development Goals	Preserve natural areas. Return developed areas to a natural state where possible. If development is necessary, ensure zero impact.	Improve natural aspect	Historic Ellicott City	\$

8411 Main St. Damage to Hill	Rebuild hill to prevent future soil erosion	Prevent blocking flow of traffic if the hill is washing into the street	Historic Ellicott City	\$
Flood Plain Parks	Parkland at critical points that flood during storm events in EC watershed	Storm water retaining above EC	Historic Ellicott City	\$\$\$\$
Add park/open space areas at North and South ends of Fels Lane	Creating more visitor friendly open space areas. Native plants and historic interpretive signage	Better visitor experience	Historic Ellicott City	\$\$
Improvement to Patapsco River Open Space	Boardwalk with interpretive signs along Patapsco River at Parking lot B. From Army Corps Engineers study dated Jan 2005. Design concept one, simplest and lowest cost of the 4 concepts offered	Create a waterside attraction for visitors to enjoy and showcase the reason the town was found - the Patapsco river	Historic Ellicott City	\$\$\$\$
Patapsco River Debris Removal	Remove existing and future debris from the Patapsco River from Route 40 to Thomas Viaduct	Reduce the impact of future flooding; provide a more aesthetic view along the river	Historic Ellicott City	\$
Removal of invasive plant species along all waterways in town and replace with natives	Removal of invasive plant species along all waterways in town and replace with natives	Restore natural environment and improve sustainability of rivers	Historic Ellicott City	\$
Tiber Hudson Special Protection Area	Create a special protection area for the Tiber Hudson watershed that limits development, actively protects land and remaining existing natural areas, has even higher stormwater management standards and promotes green infrastructure and flood mitigation practices.	This project will help to preserve existing natural resources, which are needed to help mitigate flood damage. This project will provide for a more resilient watershed and demonstrate to the community and public at large that Ellicott City is truly worth saving.	Historic Ellicott City	\$\$\$\$
Easements for the streambed	Obtain easements to allow county to work on private land	Allow access for rebuilding w/ public	Historic Ellicott City	\$
Green Fest	Move green fest to EC to increase foot traffic and educate public about environmental impact of flood on town	More \$ in town, better educated public	Historic Ellicott City	\$

Wetlands/watershed education for property owners	Educate residents about personal watershed/wetland care to include what can be done on their own properties such as rain gardens, steppes, and increase in permeable surfaces etc.	Increase wetlands/watershed conservation, help to deal with runoff	Historic Ellicott City and any residential property	\$
Water Education Day (every July 30th)	Create a water education day to educate the public	Build	Historic Ellicott City	\$
Rain Barrels	Economical and visable way to store rainwater. Label with EC Strong (Tree to those who use them)	A visual reminder that we all need to do our part to manage storm water	Historic Ellicott City	\$
Hudson Branch Stream Restoration Project Implementation	Implementation of Hudson Branch stream restoration project that is currently being designed. Project location: Papillon Dr to EC Historic Colored School. Contact: Lori Lilly	Implementation of Hudson Branch stream restoration project that is currently being designed. Project location: Papillon Dr to EC Historic Colored School. Contact: Lori Lilly	Historic Ellicott City	\$\$
Knotweed Management	Educate and assist property owners with management of invasive Japanese knotweed along the EC stream channels.	Japanese knotweed is poor at holding streambanks together. Bank erosion is a significant contributor to in-stream sedimentation and reduced channel capacity. Private landowners should be educated to identify the plant and need	Historic Ellicott City	\$
Offer rain barrels	Install for free with volunteer help	Hold water	Historic Ellicott City	\$
Reuse former Roger Carter	Create an environmental area linked to flood mitigation on the site of the former Roger Carter Center		Historic Ellicott City	
Involve Community Associations in Watershed Planning	The theme of fixing the problem is to start at the outer edges of the watershed and work your way in/down. As such, need to involve all stakeholders - not only for ideas and knowledge but also to be a medium for advocacy and communication. If you fix problems at the outer edge, you mitigate the risks and the costs at the core!		Broader watershed	\$

Tree Planting where appropriate	Tree planting teams can get to work		Historic Ellicott City	\$
Tree sidewalk boxes	Putting planting boxes that contain trees or water absorbing plants in the sidewalks	Capturing some stormwater to protect infrastructure. Aesthetically pleasing	Historic Ellicott City	\$
Watershed informational displays	Tourist/resident information about the watershed and stormwater management. This would also include information about the history of the river and how that contributes to current flooding problems. Informational displays could be placed in all the neighborhoods in the watershed. Also - info about the storm itself would be compelling	This will help sustain public awareness of stormwater management. It would pull the community & watershed residents together over a common issue & motivate them towards a solution. This could be done with/through Howard County Watershed Stewards Academy	Historic Ellicott City	\$-\$\$
Capture Chapel View community area runoff as well as other surrounding	Water storage and treatment	Reduce volume of upland runoff flowing toward the historic district	Historic Ellicott City	\$\$\$\$
Main Street Mini-Parks	Identify small open areas on or adjacent to Main St.. Plant with native plants and incorporate outdoor seating (benches, planters such as those outside Su Casa & La Palapa). Provide appropriate lighting.	Improve the attractiveness of EC as a destination (the mini-parks become attractions in themselves). Make visiting EC less physically challenging for old folks, families with small children etc. Provide green spaces to decrease water runoff,	Historic Ellicott City	
Stream restoration	Correcting and rebuilding infrastructure and streams to help slow the speed of water leading to Old Ellicott City and reclaim the natural ways of the stream	It would help to rebuild eroded stream beds and correct problems of infrastructure that currently blocks the natural flooding of the area and instead	Historic Ellicott City and areas along the Tiber Hudson Streams	
New Cut Park	Convert the flatlands along the New Cut Branch south of St. Paul's Church, an area that used to be known as "Forty Acres" and provided a community recreation area, into a waterside green park. Short-cut access could be provided by building an elevated steel grid walkway from the alley by Southwest Connection up the New Cut Branch.	This would increase the walking area of Historic Ellicott City and create an additional attraction for locals and visitors, adding a waterfront park area while preserving the New Cut floodplain from further development.	Historic Ellicott City and New Cut Road, a scenic byway, would be preserved while being made more accessible.	\$\$\$\$

Celebrate the Patapsco	Develop park + recreation areas around the river to draw people into the area. Picnic areas, hiking paths	It would be an additional draw to bring people into the area	Historic Ellicott City and Oella	
Slow the Flow	Survey properties either side of the three sub-watersheds of the Tiber-Hudson for flood mitigation potential; build database of location, relevant type of mitigation, potential capacity and estimated cost; submit a twenty-year plan, with budget, for instigating.	This will demonstrate a commitment to a long term vision of how to reduce the impact of storm water on Historic Ellicott City, with dollar estimates to be met through successive administrations.	Historic Ellicott City	
Green guard	Eliminate parking on Main Street and add a green layer of plantings, landscaping + pervious surface. Use this to protect a bike lane and pedestrian walkway on one side from car traffic on the other	Create a safer, more pleasant pedestrian experience. Landscaping will help soak up water from minor rain events + protect buildings	Historic Ellicott City	\$\$\$\$